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L4 ANSWER 32 OF 52 CA COPYRIGHT 2003 ACS
AN 85:165408 CA
TI Inorganic **coating** compositions for metals
IN Ito, Hitoshi; Komatsuzawa, Toshiki
PA Kansai Paint Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

IC C09D001-00

CC 56-5 (Nonferrous Metals and Alloys)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 51073029	A2	19760624	JP 1974-145720	19741220
	JP 56029904	B4	19810711		
PRAI	JP 1974-145720		19741220		

AB Inorg. **coating** compns. for metals, giving water-resistant **coating** films, are prepd. from a stable colloidal SiO₂ dispersion, urea and/or thiourea, water-sol. Li salt in a Li₂O/SiO₂ **mole ratio** of 1:3-50, and Zn powder. Thus, 100 parts Snowtex-20 (com. colloidal SiO₂ dispersion) was mixed with 10% (based on water in the SiO₂ dispersion) urea, and LiOH in a Li₂O/SiO₂ **mole ratio** of 1:10 and 30-fold (based on SiO₂ wt.) Zn powder were added to prep. an inorg. **coating** compn. The **coating** compn. was applied to a steel plate and dried to give a hard, water-, sea water-, and solvent-resistant anticorrosive film.

ST **zinc** waterproof **coating** steel; anticorrosive **coating** steel **zinc**; **coating** protective steel **zinc**; **silica** steel protective **coating**; lithium hydroxide **coating** steel

IT **Coating** materials

(**zinc** powder mixt. with **silica** and lithium hydroxide, for steel)

IT 1310-65-2